

PLANTS

ORDERS

RULES

1. INITIALLY ASSIGN ORDERS TO BEST PLANT.
2. MOVE ORDERS FROM OVERLOADED PLANTS TO PLANTS WITH THE SMALLEST INDEX NUMBER, AS LONG AS THAT MOVE WILL NOT RESULT IN AN OVERLOAD.
3. CONTINUE MOVING ORDERS UNTIL NO OVERLOAD EXISTS

	A	B	C	D	E
1	720 1.03		1150 1.65		700 1.00
2	1000 1.00		1100 1.10		
3		850 1.70			500 1.00
4	650 1.00	1200 1.85		1220 1.88	700 1.09
5	500 1.00	1000 2.00	1600 3.20		
6			800 1.07	1300 1.73	750 1.00
7	1200 2.40	500 1.00		1100 2.20	
8	150 1.00			400 2.67	200 1.34
CAPACITY	1200	2000	2500	3000	1000

MAN HOUR

ORDERS

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1st Move
2d move

5300

A to C
E to B
E to C
A to E

3900
2320
1900
6820
5200
520

\$1620
\$4860

MAN HOUR

	A	B	C	D	E
1	1.03 720		1.65 1150		1.00 700
2	1.00 1000		1.10 1100		
3		1.70 850 ✓			1.00 500
4	1.00 650	1.85 1200 ✓		1.88 1220 ✓	1.08 700
5	1.00 500	2.00 1000 ✓	3.20 1600		
6			1.07 800 ✓	1.73 1300	1.20 750
7	2.40 1200	1.00 500		2.20 1100 ✓	
8	1.00 150 ✓			2.67 400	1.34 200
CAPACITY	1200	2000	2500	3000	1000
INITIAL	2300	500	0	0	1950
	1150	1350	1900		900
	1150	1950	800	2320	700

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	A	B	C	D	E
1	720 ^{1.03}		1150 ^{1.65}		700 ^{1.00}
2	1000 ^{1.00}	②	1100 ^{1.10}		
3		850 ^{1.70}		③	500 ^{1.00}
4	650 ^{1.00}	1200 ^{1.85}		1220 ^{1.88}	700 ^{1.08}
5	500 ^{1.00}	1000 ^{2.00}	1600 ^{3.20}		
6			800 ^{1.07}	1300 ^{1.73}	750 ^{1.00}
7	1200 ^{2.40}	500 ^{1.00}		1100 ^{2.20}	
8	150 ^{1.00}			400 ^{2.67}	200 ^{1.34}
CAPACITY	1200	2000	2500	3000	1000
INITIAL	2300	500	0	0	1950
M	1		800		1200
O	2	1300	1900		
V	3	1350			700
E					

ORDERS

MAN HOUR

PLANTS

	A	B	C	D	E
1	720 ^{1.03}		1150 ^{1.65}		700 ^{1.00}
2	1000 ^{1.00}	②	1100 ^{1.10}		
3		850 ^{1.70}		③	500 ^{1.00}
4	650 ^{1.00}	1200 ^{1.85}		1220 ^{1.88}	700 ^{1.08}
5	500 ^{1.00}	1000 ^{2.00}	1600 ^{3.20}	①	
6			800 ^{1.07}	1300 ^{1.73}	750 ^{1.00}
7	1200 ^{2.40}	500 ^{1.00}		1100 ^{2.20}	
8	150 ^{1.00}		④	400 ^{2.67}	200 ^{1.34}
CAPACITY	1200	2000	2500	3000	1000
INITIAL	2300	500	0	0	1950
M	1		800		1200
O	2	1300	1900		
V	3	1350			700
E	4	1150			900
TOTAL	1150	1350	1900	0	900

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= 5300 MAN HOURS

ORDERS

MAN
HOURS

PLANTS

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2	1.00 1000		1.10 1100		
3		1.70 850			1.00 500
4	1.00 650	1.85 1200		1.88 1220	1.08 700
5	1.00 500	2.00 1000	3.20 1600		
6			1.07 800	1.73 1300	1.00 750
7	2.40 1200	1.00 500		2.20 1100	
8	1.00 150			2.67 400	1.34 200
CAPACITY	1200	2000	2500	3000	1000

MAN
HOUR

PLANTS

ORDERS

MAN
HOUR

	A	B	C	D	E
1	700				700
2			1100 1100		
3		850			500
4	650			1220	
5	500	1400			
6			800 800		
7		500 500			
8	1150				200
CAPACITY	1150 1200	1350 2000	1900 2500	3000	900 1000

720
1100
500
1220
1000
800
500
122
5990

5300

1150
1350
1900
900
5300

PLANTS

ORDERS

MAN
HOUR

	A	B	C	D	E
1	720		1150		700
2	1000		1100		
3		850			500
4	650	1200		1220	700
5	500	1000	1600		
6			800	1300	750
7	1200	500		1100	
8	150			400	200
CAPACITY	1200	2000	2500	3000	1000

700
1000
500
650
500
750
500
150

4750